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Effective on 12/08/2004.  
Fees pursuant to the Consolidated Appropriations Act, 2005 (H.R. 4818).

# FEE TRANSMITTAL

## For FY 2007

Applicant claims small entity status. See 37 CFR 1.27

**TOTAL AMOUNT OF PAYMENT** (\$180.00)

### Complete If Known

|                      |                         |
|----------------------|-------------------------|
| Application Number   | 10/533,147              |
| Filing Date          | April 27, 2005          |
| First Named Inventor | MAEDA, et al.           |
| Examiner Name        | Seyed Masoud Malekzadeh |
| Art Unit             | 1722                    |
| Attorney Docket No.  | 1110/94198              |

### METHOD OF PAYMENT (check all that apply)

Check  Credit Card  Money Order  None  Other (please identify): \_\_\_\_\_

Deposit Account Deposit Account Number: 23-0920 Deposit Account Name: Welsh & Katz, Ltd.

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

Charge fee(s) indicated below  Charge fee(s) indicated below, except for the filing fee

Charge any additional fee(s) or underpayments of fee(s) under 37 CFR 1.16 and 1.17  Credit any overpayments

**WARNING:** Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

### FEE CALCULATION

#### 1. BASIC FILING, SEARCH, AND EXAMINATION FEES

| Application Type | FILING FEES |              | SEARCH FEES |              | EXAMINATION FEES |              |                |
|------------------|-------------|--------------|-------------|--------------|------------------|--------------|----------------|
|                  | Fee (\$)    | Small Entity | Fee (\$)    | Small Entity | Fee (\$)         | Small Entity | Fees Paid (\$) |
| Utility          | 300         | 150          | 500         | 250          | 200              | 100          |                |
| Design           | 200         | 100          | 100         | 50           | 130              | 65           |                |
| Plant            | 200         | 100          | 300         | 150          | 160              | 80           |                |
| Reissue          | 300         | 150          | 500         | 250          | 600              | 300          |                |
| Provisional      | 200         | 100          | 0           | 0            | 0                | 0            |                |

#### 2. EXCESS CLAIM FEES

##### Fee Description

Each claim over 20 (including Reissues)

##### Small Entity

Fee (\$) Fee (\$)

50 25

Each independent claim over 3 (including Reissues)

200 100

Multiple dependent claims

360 180

| Total Claims | Extra Claims | Fee (\$) | Fees Paid (\$) |
|--------------|--------------|----------|----------------|
| - 20 or HP = | x            | =        |                |

| Multiple Dependent Claims | Fee (\$) | Fee Paid (\$) |
|---------------------------|----------|---------------|
|---------------------------|----------|---------------|

| HP = highest number of total claims paid for, if greater than 20 |              |          |                |
|--|--------------|----------|----------------|
| Indep. Claims  | Extra Claims | Fee (\$) | Fees Paid (\$) |
| - 3 or HP =  | x            | =        |                |

HP = highest number of independent claims paid for, if greater than 3

#### 3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

| Total Sheets | Extra Sheets | Number of each additional 50 or fraction thereof | Fee (\$) | Fee Paid (\$) |
|--------------|--------------|--|----------|---------------|
| - 100 =      | /50=         | (round up to a whole number)                     | x        | =             |

#### 4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): Information Disclosure Statement/Submission 1449-PTO

180.00

### SUBMITTED BY

|                   |                     |   |                    |
|-------------------|---------------------|---|--------------------|
| Signature         |                     | Registration No. 27,466<br>(Attorney/Agent) | Telephone          |
| Name (Print/Type) | Gerald T. Shekleton |   | Date June 18, 2007 |

This collection of information is required by 37 CFR 1.136. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 30 minutes to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

If you need assistance in completing the form, call 1-800-PTO-9199 and select option 2.



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In Re U.S. Patent Application

) Art Unit: 1722

Applicant: MAEDA et al.

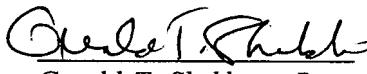
) Confirmation No.:  
5289

Serial No.: 10/533,147

)  
I hereby certify that this correspondence is being deposited with the United Postal Service as first class mail in an envelope addressed to:  
Mailstop Amendment / Commissioner for Patents / PO Box 1450 / Alexandria, Virginia 22313-1450, on June 18, 2007.

Filed: April 26, 2005

For: METHOD FOR PRODUCING SILICON WAFER

  
Gerald T. Shekleton Reg.  
No. 27,466

INFORMATION DISCLOSURE STATEMENT

Mail Stop AMENDMENT  
Commissioner for Patents  
P.O. Box 1450  
Alexandria, Virginia 22313-1450

Sir:

Pursuant to 37 C.F.R. §1.97, a list of documents is disclosed on the attached Form PTO-1449 that may be material to the examination of this application.

No inferences should be drawn that the attached list represents a comprehensive investigation, or that any material disclosed is equivalent to the subject invention. In addition, none of the documents that have publication dates prior to the priority date of the above application anticipate the invention in this application.

The cited document(s) disclose numerous specific features. There has been no attempt to list each and every feature disclosed by each document. The Examiner is requested to review the

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Atty. Docket No. 94198

document(s) and determine the extent of the materiality of the document disclosures with respect to the present invention.

The discussion of any art and the citation of any document(s) herein is not to be construed as an admission that the art or document disclosure is necessarily within the invention field of endeavor, that the art or document disclosure is necessarily prior in time to a particular date which may be relevant to the instant patent application, and/or that the art or document disclosure is otherwise necessarily prior art as defined by patent law with respect to the instant invention and application.

Also, there is observed the right to later set forth how the instant invention is distinguished over the disclosure of any document or other art, including the disclosures of the art and document(s) recited herein, that may be cited by the Examiner in rejecting a claim in the instant patent application. The recitation herein of the art and document(s) is not to be construed as an assertion that more pertinent art could not possibly be in existence.

Respectfully submitted,

**WELSH & KATZ, LTD.**



Gerald T. Shekleton  
Registration No. 27,466

Date: June 18, 2007

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Attorney Docket No. 1110/94198

|                              |  |   |  |                     |              |
|------------------------------|--|---|--|---------------------|--------------|
| Form PTO-1449<br>(Rev. 8-88) |  | U.S. Department of Commerce<br>Patent and Trademark Office            |  | Attorney Docket No. | Serial No.   |
|                              |  | INFORMATION DISCLOSURE STATEMENT<br>(Use several sheets if necessary) |  | 94198               | 10/533,147   |
|                              |  |   |  | Applicant           | Maeda et al. |
|                              |  |   |  | Filing Date         | Group No.    |
|                              |  |   |  | April 27, 2005      | TBA          |

*JUN 21 2007*

## U.S. PATENT APPLICATION DOCUMENTS

| Examiner Initial* |  | Document Number | Date | Name | Class | Subclass | Filing Date if Appropriate |
|-------------------|--|-----------------|------|------|-------|----------|----------------------------|
|                   |  |                 |      |      |       |          |                            |
|                   |  |                 |      |      |       |          |                            |

## U.S. PATENT DOCUMENTS

| Examiner Initial* |  | Document Number | Date      | Name         | Class | Subclass | Filing Date If Appropriate |
|-------------------|--|-----------------|-----------|--------------|-------|----------|----------------------------|
|                   |  | US 6,565,822    | 5/20/2003 | Hoshi et al. |       |          |                            |
|                   |  |                 |           |              |       |          |                            |

## FOREIGN PATENT DOCUMENTS

|  |  | Document Number | Date      | Country | Class | Subclass | Translation |  |
|--|--|-----------------|-----------|---------|-------|----------|-------------|--|
|  |  |                 |           |         |       |          | Yes         |  |
|  |  | JP2001-039797   | 2/13/2001 | JAPAN   |       |          | Abstract    |  |
|  |  |                 |           |         |       |          |             |  |

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

|  |  |   |
|--|--|---|
|  |  | T Sato, "Effect of LAD on Epitaxial wafer", <i>Silicon Technology</i> , No. 16, 24 <sup>th</sup> April, 2000, 16 <sup>th</sup> Meeting of Silicon Technology Division, The Japan Society of Applied Physics [partial translation]             |
|  |  | Asayama, et al., "Point Defect Behavior in Heavily Boron Doped Silicon Single Crystals", <i>Extended BSTRACTS (THE 60<sup>TH</sup> Autumn Meeting, 1999)</i> , The Japan Society of Applied Physics, No. 0, "3p-ZY-4". [partial translation ] |
|  |  | Dornberger, et al. "Influence of boron concentration on the oxidation-induced stacking fault ring in Czochralski silicon crystals", <i>Journal of Crystal Growth</i> , 180 (1997) pp 343-352  |
|  |  |   |
|  |  |   |
|  |  |   |
|  |  |   |
|  |  |   |

Examiner \_\_\_\_\_ Date Considered \_\_\_\_\_

\*Examiner: Initial if citation considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.